THE RESIDENCE OF THE PROPERTY OF THE PARTY O

Prove That Destroying

Insect Pests Is the Only Hope

of Checking the Great

Epidemic Diseases



Gangrene, Hookworm,
Bubonic Plague,
Egyptian Ophthal-Gattle and
min (Sore Eyes), Sheep. (School Chil-

ost, in Which the Organism Undergoes

nd Rocky Mountain or Man, Chil,
Spotted Fever
or,
Delhi Boil, Leprosy,
Malta Fever, Choren Coal phant. Dog.

Surra, Infantile Paral- Man. Leprosy Infants.

Nagana (an epidemic Man. disease of Africa Antelope and Wild Pig.

of Asia) Horse.
Camel. Dog.

Pellagra Man.

Man, Horse, Monkey, Mule, Cam-el, Elephant. Sjurra el, Elepha Cat, Dog.

Epidemic Poliomyelitis (Infantile Paraly-sis, Beri-Beri, Re-lapsing Fever..... FIEED ON MAN.

ts. Larvae burrow on Man. of floor. Hatched larvae Man.

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tsigholuse areas and seaport towns of the tropics. It may, how-ever invade the temperate zone during the Sum-

during the Summer months of a favorable season. The disease has been a fixed institution in the West Indies and Central America since their discovery and has frequently invaded the Gulf States. An epidemic of yellow fever in New Orleans in 1905 totalled \$,000 cases and 900 deaths. The yellow fever mosquito differs from most varieties by its habit of flying in the day time. It is quite domesticated, frequenting human habitations by preference, and only leaving the house whep seeking an apportunity to deposit its eggs. The eggs are deposited in standing water, where development takes place through the larval and wiggler stage.

water, where development takes place through the larval and wiggler stage. When the adult stage is reached the mature insect again seeks the home of its regular food—man. Small and irregular forms of this variety of mosquito appear, which are able to pass between the meshes of the second pass between the meshes of the usual

wire screen.

When the mosquito draws blood from a victim of yellow fever, it also draws the germs of the disease with the blood. These germs remain in the mosquito and undergo a developmental cycle. About three weeks after such an infective feed the mosquito is able to transmit the disease quito is able to transmit the disease in a virulent form.

Finlay, of Havana, announced in 1831 that yellow fever was transmitted by bloodsucking insects, the mosquito and others. This enormous mosquito and others. This enormously important statement was ignored for twenty years. Several of the measures employed in the cleaning up of Havana Harbor, and the Canal Zone, such as the fumigation of vessels and infected houses and the isolation of all cases of the disease, would serve to eliminate the bedbug as well as the mosquito, and it is possible that one insect is as guilty as the other in the transmission of the disease.

the disease. Since Tom Sawyer carried wood-ticks to school in a pill box in Mis-souri, the whole vast business of cattle breeding in the Southwest has been developed. It was the herding of Southern cattle in Northern pastures that called attention to the

It was Dr Howard Rickett and his confrere, Dr. Wilder, who discovered the gulf of these vermin in the transmission of typnus fever when they were jointly engaged in the investigation of Mexican typhus, which is a form of the disease very nearly identical with the classic disease.

The relapsing fever of Africa is transmitted by this vermin as well as by the African tick. This disease is not to be confused with the African tick fever, which is yet another unpleasent epidemic disease known to be carried from man to man by an insect.

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Surra is one of those tropical diseases which are terribly fatal to animals, and may attack human beings. It is well known in Asia and the Philippines, and is supposed to be identical with the epidemic disease, called "nagana" of Central Africa. It attacks with great impartiality and a high mortality the horse mule, camel, elephant and dog. Dr. Musgrove, who has been at work studying the transmission of the disease in the Philippines, considers that it may be transmitted by the bite of any one of the following blood sucking insects: lice, ticks, fleas, mosquitos and biting files.

Bubonic plague is that terrible epidemic disease which ravaged Europe in the Seventeenth Century, and was known as the black death. It occurs most commonly as an infection of the lymphatic glands, which swell up, and are known as buboes. From this form of the disease comes the modern name. The uncommon form of the disease is an infection of the lung tissue which is usually fatal in twenty-four hours. All cases of the second form die, and the mortality of all forms of the disease is high. As, according to very high authority, "bubonic plague is now going around the world," every man, woman and child should know by what agencies it 's transmitted, and do their part in preventing its invasion of our country.

The victim of bubonic plague, whether he be man or rat, develops the germs of the disease bacilius pestis, in incredible numbers, which pour into his blood for eighteen to thirty-six hours achs filled with bad alood and deadly.

attacks man, at-tains serious form,

the mortality in

subject, their stomachs filled with bad blood and deadly germs, and trans-

disease is said to have been the first one on record which was clearly rec-ognized as insect-borne. It is a dis-ease of the African antelope and wild ease of the African antelope and wild pig, and perhaps other wild animals, and is transmitted to man by the bite of a fly, many of whose first cousing live in North America. Dr. Bruce, who discovered the blood parasite of sleeping sickness in the tsetse fly, believed this insect to be dangerous for only a day or so after the infective feed. It is now known that it takes three weeks for the organ. for only f day or so after the infective feed. It is now known that it takes three weeks for the organism to develop to the infective stage after feeding, but the fly is then a permanent carrier of the disease for life. There are two important letsons for Americans to learn from this disease; the first is that as we have a tsetse fly of our own ready to spread the disease, no case of sleeping sickness should ever be allowed to gain entrance to this country. The second is that no case of obscure disease should be transported to an immune section of the country, even for the purposes of study. The student should travel to the disease. The sand fly is a name given to several different biting flies or gnats in different parts of the world. Dr. Doerr found that the so-called sand fly of the tropics, philobotomus, was the agent of transmission of dengue, or breakbone fever. This disease is called breakbone from the terrible pains felt in all the bones during the acute stage.

Another sand fly, simulium ren-

acute stage.

Another sand fly, simulium reptans, is said to transmit both pellagra and the pappated fever of Italy. Pappatacl fever was long considered a chronic spienic malaria; it is now believed to be due to another germ. The disease is a grave one, especially fatal to children.

or the Entomological Department of Kansas University. The sand fly, simulium vittatum, which abound on the shores of Turkey Creek and other Kansas waters, is believed to carry

dren or adults asleep in the open. The larvae, when hatched, burrow

great cities, is transmitted by this bloodsucking vermin.

It was Dr floward Rickett and disease is said to have been the first one on record which was clearly record which was clearly record.

The sand fly transmission of pellagra, an epidemic disease of the nervous system with wasting and extensive skin eruptions, has been regently investigated by Dr. Hunter, of the Entomological Department of Kansas University. The sand fly

this disease.

The buffalo gnat, a black biting fly, which abounds in the Middle West, came into prominence two years ago when the physicians of Council Bluffs, Iowa, showed that its prevalence coincided with the appearance of coldemic paralysis. Recent proof of the guilt of the biting stable fly in the transmission of this disease gives undoubted weight to their theory.

Although not a butter the

Although not a biter, the gray fly, known as the screw worm fly, has proved such a terrible enemy of mankind that it is included in the black list. This fly deposits its eggs preferably in open wounds of man or animals. It is said to be attracted by any odorous discharge, and it is perhaps for this reason that the fly has not infrequently deposited its eggs in the ears or nostrils of children or adults asleep in the open.



The 300,060 Eggs Laid by a Single Tick That Has Been Proved to Transmit Four Diseases and Probably Others.

directly into the tissues, eating as they go, and cause the most intense agony, or even death if not dis-

lodged.

At the recent International Congress of Hygiene held in Washington, D. C., it was announced that Drs. Rosanau, Shepperd Brues and Richardson, of Massachusetts, had proved that the biting stable fly transmits the garm that causes acute infantile. the germ that causes acute infantile paralysis.

Biting flies, bred for the purpose, were allowed to feed on monkeys infected with human infantile paralysis and subsequently on normal monkeys, which thereupon contracted the disease.

The biting stable fly, stomoxys cal-cifrans, is commonly found about horses, but has the habit of entering horses, but has the habit of entering houses before a rain. It looks much like the common house fly and its habits have given rise to the saying that flies begin to bite before it rains. Pollomyelitis, the scientific name of the acute epidemic paralysis which has been so widespread in this country for six years, is a blood borne disease. It is also an epidemic disease of domestic animals, notably the horse. It now appears probable that the biting stable fly is the active agent in transmitting pollomyelitis from horse to man. Dr. J. V. V. Manning has announced in recent medical journals the conclusion that the bedbug, a common blood-sucking parasite of man is the solution. bedbug, a common blood-sucking para-site of man, is the usual agent of transmission of poliomyelitis from

man to man.
The doctor, at a certain stage of The doctor, at a certain stage of the search for the method of trans-mission of the disease, found it nec-essary to investigate the habits of the bedbug. The conclusions reached are summarized as follows:

"A bedbug, making an evening meal from the blood of a child in the stage of onset of infantile paralysis, and a morning meal on the blood of a healthy child asleep in the same bed, would transmit the organism of the distance to the healthy child. same bed, would transmit the organ-ism of the distase to the healthy child. "If the second meal of the bedbug was deferred for two or more weeks, during which the bug had been transported to some other environ-ment, the germs of the disease would still be transmitted to the first per-

still be transmitted to the first person on which the bedbug fed."
It is now declared by Dr. Manning

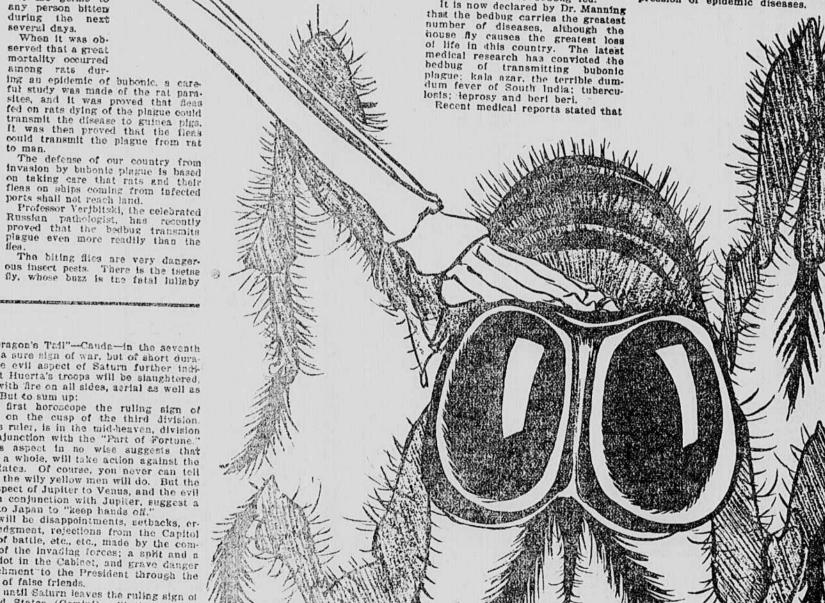


Greatly Magnified Head of the Rat Flea, the Principal Transmitter of Bubonic Plague.

epidemics of beri beri in the jat and native police quarters of Shang-hai were checked as soon as the buildings were freed from the bugs. A study of the table which accom-panies this article will reveal the fact that every insect known to transmit one blood borne disease also transmits other diseases; that every blood borne disease which has every blood borne disease which has been found to be carried by a blood sucking parasite is known to be transmitted by more than one such

agent.

These facts prove that the destruction, or at least the control, of insect pests is necessary for the sup-pression of epidemic diseases.



Mexico -- By Professor William H. Maccabee

of death), shows death and defeat to the rebel troops. The moon rules this house. The sign Cancer also rules this house, and, as it is the opposition sign of Capricorn, the sign that rules Mexico, it clearly shows by the affilction of Mars and Neptune therein the defeat, imprisonment and overthrow of the opposing forces to the Huerta Government by the invading United States troops.

Regarding the possible length of time hostili-Provided a miracle does not intervene and thus put a stop to further action, the 10th of October next will see the close of hostilities, if they are not brought about by September 20. August 14 will also be an important date favorable to the United States Army. And now let us read the decision of the stars at the time the Senate resolutions for war with Mexico were adopted —3:21 a. m., April 22. Incidentally, it is to be regretted that Mr. Wilson and his Cabinet are not believers in the science of planetary influence. Few, if any, rulers of foreign nations doubt its usefulness—especially during periods which try men's souls.

Emperor William I., his son, the present ruler of the German Empire; the late Von Bismarck, the Czar of Russia, the Mikado of Japan and many others are believers in It and have their

own especial scientist to consult with in all

the Bitter Root Valley of Montana having reached 70

to 80 per cent. The United States Bu-

reau of Entomol-

ogy recently con-

it and lost his life.

the distribution of the tick, and found

the distribution of the tick, and found its range to extend throughout the Rockies at various elevations, from 500 to 9.000 feet above sea level. It, was while investigating this disease that Dr. Howard Rickett contracted it and leaf his life.

The iten mite, which lives in bur

rows excavated through the skin of man, is the cause of the disorder known as seven-year-itch. The mite

is a six legged creature just perceptible to the naked eye. It is the frequent cause of epidemics of running

quent cause of epidemics of running sores, which occur on the faces of small children, for it carries the pus germs which cause festers as it mi-grates from one member of the group

to another. A very much more ser-lous charge is, however, brought against it. Dr. Mugliston, an English physician, during the investigation of

seventy-seven cases of leprosy, be-came convinced that the itch mite was the active agent in spreading this loathesome disease.

loathesome disease.

Lice are commonly found on the persons of the uncleanly and the heads of the neglected sick. They are a common parasite among those members of the submerged tenth, who frequent night shelters and stagger into the examining wards of great city hospitals in Winter, dying from exposure and malnutrition. Typhus or ship fever, which is itself a disease of the ill-nourished and unsanitary and remains endemic in the stews of

and remains endemic in the stews of

own especial scientist to consult with in an matters of importance.

Had Mr. Wilson or any member of his Cabinet consulted an astrologer after the Senate had adopted its war resolutions, he would have learned in a very short time what might take him months to find out, and that is, at the very moment the vote by the Senate came to a close, from that moment the Huerta regime in Mexico was doomed to end.

This is shown by the one most striking and remarkable feature in the second horoscope, which is the position of Saturn in the fourth house—the end of all things. Saturn is the ruling planet of Capricorn. Capricorn rules Mexico. Saturn is in the sign Gemini. Gemini rules the United States, and its ruling planet, Mercury, is in the first house, rising in splendor and glory with the moon and "Leonis," both fortunate. Hence, a schoolboy could very reedily grasp the significance of this—which means the overthrow of the Mexican Government by the United States ican Government by the United States.

Uranus, in the twelfth, denotes the arrest and trial by court-martial of Victoriano Huerta -and, if he should escape execution, a violent death awaits him in any case. Neptune and Mars, in the fifth division, denote the death and massacre of women and children.

The "Dragon's Tail"-Caude-in the seventh house, is a sure sign of war, but of short dura-The evil aspect of Saturn further indicates that Huerta's troops will be slaughtered

mit the germs to any person bitten

during the next several days.

served that a great mortality occurred

When it was ob-

cates that Huerta's troops will be slaughtered meeting with fire on all sides, aerial as well as earthly. But to sum up:

In the first horozcope the ruling sign of Japan is on the cusp of the third division. Venus, its ruler, is in the mid-heaven, division 10, in conjunction with the "Part of Fortune." Now, this aspect in no wise suggests that Japan, as a whole, will take action against the United States. Of course, you never can tell just what the wily yellow men will do. But the Square aspect of Jupiter to Venus, and the evil Uranus in conjunction with Jupiter, suggest a warning to Japan to "keep hands off."

warning to Japan to "keep hands off."

There will be disappointments, setbacks, errors of judgment, rejections from the Capitol of plans of battle, etc., etc., made by the commanders of the invading forces; a split and a genuine riot in the Cabinet, and grave danger of impeachment to the President through the treachery of false friends.

treachery of false friends.

But not until Saturn leaves the ruling sign of the United States (Gemini) will the present difficulties in Mexico come to a final close. By July 4, 1815, the United States will be in full central of Mexico. control of affairs in the government of Mexico.